Title (en)

METHOD OF MANUFACTURING ELECTROMAGNETIC MEMBERS

Publication

EP 0193079 B1 19890920 (EN)

Application

EP 86102049 A 19860218

Priority

JP 3642485 A 19850227

Abstract (en)

[origin: JPS61196509A] PURPOSE:To easily adjust the ratio of magnetic properties and conductive properties and constitute the title magnetic member in a mechanically strong structure by a method wherein composite magnetic strip members, formed in one body by covering a conductive material, are formed outside a magnetic strip material, the prescribed number of said composite magnetic strip members are arranged, and a conductive material of almost same quality as the above-mentioned conductive material is cast between the composite magnetic strip members. CONSTITUTION:Composite magnetic strip members 7, formed in one body by coating the conductive material 5a of predetermined fixed thickness, are formed on the outer circumference of a magnetic strip material. Then, said composite magnetic strip members 7 are cut into the suitable length, tied up in a bundle of the prescribed size, and a high temperature fused copper is cast on the lump of the bundled composite magnetic strip members. Copper is coated on the circumference of iron wire in the prescribed thickness in advance as above- mentioned, and the copper is cast between the composite magnetic strip members. As the affinity of the two materials is good and no dissociation is generated on the boundary layer, the casting work can be performed quickly, whiskers are not generated, and the magnetic properties and the conductivity of the material can be properly selected, thereby enabling to obtain the electromagnetic member having uniform quality and mechanically strong construction to be used for electromagnetic machines.

IPC 1-7

H01F 3/06; H01F 41/02; H02K 15/00; H02K 17/16; H02K 41/025

IPC 8 full level

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CPC (source: EP KR US)

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EP 0193079 A2 19860903; **EP 0193079 A3 19870616**; **EP 0193079 B1 19890920**; CA 1251029 A 19890314; CN 86101224 A 19860910; CN 86101224 B 19880706; DE 3665799 D1 19891026; JP S61196509 A 19860830; KR 860006858 A 19860915; KR 930008462 B1 19930904; US 4704789 A 19871110

DOCDB simple family (application)

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